

## Southern Trading Co.

Gasoline and Steam Engines, Motors, Steam and Centrifugal Pumps, Cotton Gins, Grist Mills, Dynamos and Motors. Supplies of all kinds; Belting, New and Rebuilt Machinery.

FORT WORTH, TEXAS.

Front and Burnett Streets, Phone Lamar 315.

### Road Uses 325,000 Pencils.

Perhaps one of the most striking instances of saving is furnished by the Rock Island railroad, whose thousands of employees annually use 325,000 lead

### Ft. Worth Well Machine Company

Made in Fort Worth 25 years. Improved from time to time. All parts now standard—Machines, Tools, Extras, fully guaranteed.

Write for catalogue and prices.

FORT WORTH WELL MACHINE COMPANY, Fort Worth, Texas

pencils in the performance of their duties. These pencils cost approximately \$6,000, or a little more than 1 1/2 cents apiece. The average length of a lead pencil is

### To Automobile Owners

Genuine Bargains in auto tires, from \$5.49 up; reeliners \$1.25 up. Don't delay. Write for manufacturers' prices. C. D. HIBBS, the Pioneer Tire Man, 415 Commerce St., Fort Worth, Texas.

about seven inches, which would make each inch of pencil cost a trifle over \$6.00.

Until recently the employees

NOW IS THE TIME TO BUY Cow Peas, June Corn, Kaffir Corn, Milo Maize, Cane Seed We carry a full line of everything in GARDEN AND FIELD.

### American Seed Company FORT WORTH, TEXAS.

were given new pencils whenever they requested them. An investigation disclosed that, on an average, not more than one-half of a pencil was used before it was thrown

### ED EISEMANN

The Tank Man. I WANT YOUR BUSINESS. Write or phone me. I will save you money. Tanks and all kinds of sheet metal work guaranteed. Phone 4115. 104 Franklin Ave., Houston, Texas

away for a new one. That was a needless waste, the efficiency experts figured, and accordingly a suggestion was made—which in reality amounts to an order—requiring that the stub of each pen-

### B. F. & C. M. DAVIS Engineers and Contractors

Bridges, Paving, Water Supply, Levees 310 Reynolds Building FORT WORTH, TEXAS

oil shall be returned before a new one is issued.

The stub of each pencil must not only be returned, but it must be reasonably short, or the new

### Early Vegetables Wanted

"Ship to whom they all ship" and get good results. FRANK PINTO, Commission Merchant, Fort Worth, Texas.

one will not be forthcoming. Since the new system was put into effect it is estimated that the saving from using an inch or two more of each pencil will aggregate fully \$2,000 a year.

### GRAVEL ROOF-ING SUPPLIES

(Wholesale) The Felt, Red and Gray Building Paper, Pitch and Coal Tar. Write for full line of samples and prices. Address: JOHN G. FLEMING & SONS, STATION A, OAK CLIFF, TEXAS. Long Distance Phone CH 4.

## Farming and Poultry



### POULTRY HINTS.

Powdered charcoal should not be fed in the mash. It is not a feed but a medicine. It purifies the blood and absorbs noxious gases generated in digestion. By feeding it in the mash the fowls eat more of it than they require. Use the coarser grades of charcoal and feed it from a hopper or other feeding utensil, thus permitting the fowls to partake of the same when necessary.

In feeding dry beef scraps use only the best quality obtainable. Some of the so-called scraps sold are nothing more than fertilizers and are entirely unfit for poultry food. A good article can be detected by scalding. It should have the odor of cooked meat.

Milk in almost any form is an excellent food. It may be given as a drink or used in the mash in place of water. Skim milk and buttermilk are in most common use.

Stale bread may be used with perfect freedom, as it contains nearly the nutrient ratio of wheat. It may be used in the mash or otherwise.

Chickens relish onions in any form, but if fed to any extent onions will affect the flavor of the eggs. Cooked onions will not produce this effect and may be given more freely.

Laying hens should have a supply of crushed or ground oyster shells before them at all times, as they furnish the material for egg shells. Clam shells are also used, but are not as good.

Keep the chicks growing. If there are any drooping their little wings and sitting around look them over carefully, they may be troubled with lice.

Disinfect the brooders before putting the chicks therein. In fact, it is advisable to remove the chicks and go through with this process at least once a week. Sanitary conditions are absolutely necessary to retain the health and vigor of the little ones.

Do not overcrowd your brooder. More chicks are lost in this way than from any other cause. Better buy more brooders or keep less chicks or you may lose all in the end.

### QUESTIONS AND ANSWERS.

Poultry Editor: I am trying to raise some chickens. Bought some alfalfa meal, and would like to know if it should be fed alone, or mixed with bran or middlings, and what proportion. I never fed it before. Please answer and oblige. A. CONSTANT READER.

Answer: Alfalfa meal should be fed in the mash, about 30 per cent to the balance of the ration. If you use short cut alfalfa it can be scalded and fed separately.

Poultry Editor: I have two hens with chicks, twenty-seven in all. Both came off at the same time. Would you advise me to give these all to one hen, so I do not need to bother with two broods? A. T. K.

Answer: Twenty-seven chicks is quite a bunch for one ordinary hen to properly take care of, and I would advise not to give them all to one. It will pay you to do the little additional work which will be required to look after one more brood.

Poultry Editor: Would like to know why my hens lay thin shelled eggs, and sometimes I get a soft shelled egg. They are not too fat, and seem to be healthy. Can you give me any information as to what I can do to prevent this? H. McT.

Answer: The indications are that you are not supplying your fowls with shell making material. Try using crushed oyster shells.

Poultry Editor: I have some hens that are eating eggs. Can you tell me of anything to stop it? Would also like to know best method of getting rid of lice. Would it be best to spray a disinfectant on the fowls and let them eat it? THOMAS ERICKSON.

Answer: When hens once start eating eggs it is a difficult matter to cure them of this habit. Try blowing out an egg and filling it with strong mustard. Put it in the nest and let them go to it. A good lice powder will rid your hens and chicks of lice. Another remedy: Paint a box with lice paint and put the fowls into this box for a short time. Would not advise spraying them with disinfectant. Use the latter freely in your henhouses and brood coops.

Poultry Editor—Am about to put in a number of chickens. Have a good barn yard, but it has no floor in it. The ground is pure sand. I am troubled with rats so much that I am thinking of putting in a cement floor. Now will a cement floor be good for chickens? Last year the rats got away with most of the young chicks. year the rats got away with most of the young chicks. Can you give me a remedy to get rid of them? What is the best sanitary nest you would recommend? C. E. POLZIN.

Answer: Cement floors have proven satisfactory. There are several good rat killing poisons on the market. Use them and the work. A good galvanized nest is the most sanitary.

Poultry Editor—I have a hen with a swollen eye and running nostril. She mopes around and will not eat. Please tell me what ails her, and the cure for same. A READER.

Answer: Your hen has a common case of roup. Remove her at once from the rest of the flock and place her in a warm room if possible. There are several reliable roup remedies on the market that do the work. A simple remedy is a solution of boracic acid applied freely to the irritated eye and into the nostril. A solution of 1 to 2 per cent of permanganate of potash also gives excellent results, providing the treatment is administered in the early stages of this much dreaded disease. Roup is a very infectious disease, originating generally from a cold, damp house, unsanitary surroundings, and unclean drinking utensils.

### HEAVY GRAIN YIELD.

Continued favorable reports from the Texas grain fields warrant this statement, according to Secretary G. J. Gibbs of the Texas Grain Dealers' association:

"The crop prospect continues good in Texas, but some sections are reporting need of rain. It is my opinion that with favorable weather during the remainder of this month we will produce about 15,000,000 to 18,000,000 bushels of wheat, and I believe 50,000,000 bushels of oats for our state is not an improbable yield. The corn acreage was reduced on account of unfavorable weather during the planting season and in many places the stand is not good. It is therefore more than probable that Texas will not have a good crop of corn. There will be a large amount of sorghum. Kaffir corn and milo maize, and with a large amount of oats, which is almost sure. I feel that our state should have a prosperous year and that we will not have to pay tribute to the northern market for high-priced feedstuffs next fall and winter."

### FRUIT PROSPECTS.

There are bright prospects for a large peach and tomato crop around Jacksonville. While the tomato crop had a bad start on account of the cold, backward spring, the recent warm showers and warm nights have greatly benefited the crop, and it is now thought that shipping will begin during the early days of June.

Many peaches are being purchased for future delivery, and from all indications the prices will be highly satisfactory to the growers.

### HEAVY WOOL CLIP.

San Angelo will handle 4,000,000 pounds of the spring wool clip, according to statements by the wool men. Wool is being received daily by both railroad transportation and wagon freighters. Over one million pounds is already stored there.

### RAILROADS EXPERIMENTING WITH BEANS.

Through the efforts of the agricultural department of the Texas & Pacific and International & Great Northern railroads, land has been set apart in Grayson county for demonstration purposes and to experiment with sugar beets, frijole beans, California pink beans and Michigan navy beans. The tests will be watched with interest as the soil in Grayson county is said to be peculiarly adapted to the growing of the above products.

### STATE FARM NOTES.

Cotton receipts at Galveston and Texas City for the present season, up to two weeks ago Saturday afternoon, were 3,996,554 bales, more than 1,000,000, or to be exact, 1,006,354 bales ahead of the same date last year, when 2,990,200 had been handled.

Plainview expects to have fifty irrigation wells in operation at the close of this growing season.

The truck growers of McLennan county have organized.

A large shipment of Texas grown cabbage and onions arrived at Liverpool in excellent condition.

A nine-foot vein of good quality coal has been discovered near Waco. It is proposed to erect a large power plant on the land and generate power for Waco and the surrounding country.

The Wise County Truck Growers' association is expecting to break all previous records in the shipment of vegetables, berries and pears this spring. Prospects are fine for heavy grape shipments also.

Agricultural dealers of Denton have ordered six carloads of grain binders to handle the prospective crop.

Texas women from nine counties participated in three days' session of Girls' Tomato and Poultry club.

The biggest crop of fruit in the history of the plains country is in sight.

The commission merchants of Pittsburg, Pa., received a carload of Texas onions, shipped from Laredo. The onions reached there in fine condition and found ready market with the local growers.

Hardeman has a watermelon patch of 620 acres. A co-operative creamery company has been organized at Kingville.

Abilene voted last year \$150,000 to build four roads. They are completed with \$40,000 left, which will be expended on two more roads.

The bureau of statistics, department of agriculture, has made an estimate of the stock of wheat in interior mills and elevators March 1, and reports 98,597,000 bushels on hand. The Texas mills and elevators have 1,365,000 bushels in stock. Minnesota has 10,240,000 bushels in mills and elevators.

East Texas fruit growers have been shipping carload lots of strawberries to northern markets.

Farmers in Cook county are experimenting with spineless cactus from California with a view to introducing this plant for cattle feed.

Prospects for a bumper crop of oats in the Waco section of the state have not been so bright in ten years as at the present time.

Sixty miles of new roads, to cost \$225,000, are under contract in Bastrop county.

A company has been organized at Brownsville to construct a deep water canal from Brownsville to the Gulf of Mexico.

E. H. Perry of Plainview has put 275 acres under irrigation and will plant the tract to Mexican beans.

The April Crop Reporter, issued by the federal department of agriculture, gives the condition of Texas winter wheat better than that of any of the southern states, and eight points better than the average for the past ten years.

The average farm wages in the United States is \$20.18 per month, and in Texas \$18.40 per month.

The truck growers of McLennan county have organized and adopted plans to aid in marketing their crops.

Fifty-three cars of cabbage were shipped from Harlingen in one trainload last week; \$30,000 was realized by the growers on this shipment.



## How to Reduce Tire Expense

Instead of throwing away your old tires express them to us and we will make them as good as new. Our process is sure. We are thoroughly equipped for rebuilding old tires. The greatest expense incident to owning an auto is the tire expense. We are in business to reduce this expense and can reduce it. Express charges prepaid on all orders over \$5.00. References—Any auto owner in Houston.

### Texas Auto-Tire & Repair Works

FREE AIR FOR AUTOS, HOUSTON, TEXAS. 508 SAN JACINTO.

(In answering advertisers mention this paper.)

Brown county has eighty miles of good roads, costing \$115,000. It was the first county in Texas to organize a good roads district.

The Denton County Farmers' Union is reported to have agreed to 30 per cent reduction in cotton acreage.



### ATLAS METAL WORKS

DALLAS, TEXAS. Millard Storey, General Manager. Corrugated Tanks, Stock Tanks, Wagon Tanks, Acetylene Gas Machines, Road Culverts, Etc.

When writing mention this paper.

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Girls' canning clubs are being organized in Tom Green county, the members of which pledge to

plant and cultivate, can and preserve, one-tenth of an acre of tomatoes or other vegetables during the coming season.

### COTTON SEED—SPANISH PEANUTS—COWPEAS

Sorghum, Millet, Kaffir Corn, Egyptian Wheat, Garden and Flower Seeds, Sprayers, Insecticides, Fertilizers and Poultry Supplies.

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High Grade Brass Castings, Fort Worth, Texas. Corner Railroad Ave. and Calhoun St. Phone Lamar 2515.

Bronze casting, brass casting, Muntz casting, copper casting, white metals. Aluminum bronze, aluminum brass, Tobin bronze, phosphor bronze, manganese bronze, German silver, solder, Rabbitt metal, type metal, bearing metal; aluminum castings for tenacity, our alloys have no comparison; M. C. B. car brass, 3 1/2-in., 2 1/2-in., 1 1/2-in., 1-in., 3/4-in., 1/2-in. Brass signs made to order; working barrels a specialty; general machinists. Models a specialty.

## VETERINARY COLUMN



Veterinary advice will be answered free in this column once each month by Drs. Rutherford & Rutherford of Dallas, Texas. All inquiries will be answered each in turn. But if you should want an immediate answer direct by mail, with prescription, you will have to enclose \$1.00 in letter and address it to Drs. Rutherford & Rutherford, Box 733, Dallas, Texas.

Write Your Full Name and Address Plainly.

Dr. Rutherford. Noticing your ad in the paper where you give free advice, will write you regarding a fine hound dog I have. He does not keep in good flesh, although I feed him good cooked meats, etc. He moans and groans in his sleep, yelps. He is about eleven months old.

Answer: Your dog is bothered with gastritis, and this is the cause of the symptoms at night. Give the following: Powdered opium, powdered calomel, mix, make into eight balls and give three times a day.

Drs. Rutherford, Dallas, Texas: I have a horse that something seems to be the matter with him in small of back, and his urine is thick and he strains when urinating, seems to give him pain.

Answer: Your horse has Oedema, his kidneys are deranged. Give him the following and he will be all right. (Better get your druggist to fix this):

Infuse, Potass. 4 oz.

Nitrate Potass. 3 oz.

Water 32 oz.

Mix. Give two tablespoonfuls in soft feed twice a day.

Dear Doctor: I have a cow with a young calf, about three weeks old, who is not doing any good; her appetite is bad and she is all drawn up and has fever. Please give me a remedy and oblige. LEWIS THOMPSON.

Answer: Your cow has septicaemia. Give her at once, dose: Sulphate of magnesia, 16 oz.; Tincture of Opium, 10 oz.; water, 30 ounces. Mix and drench. After three days follow with this: Tincture nux vomica, 3 oz.; tincture gentian, 2 oz.; Mix and give tablespoonful twice a day.

Drs. Rutherford, Dallas, Tex.: I have a colt with a knot on his knee and it is hard like bone and has been there for about six months. When I wash him and let him stand a while he yelps and can hardly go. I wish you would give me a treatment for him if you think you can do him any good. Respectfully, CHAS. STEEN, Farmer, Tex.

Answer: Take 3 drachms of red oxide of mercury, one drachm of powdered cantharides, one drachm of powdered arsenic. Mix this with enough lard to make into a soft paste and apply one per day to the leg at night and wash off in the morning and leave until you get a good blister. After you have the blister let him stand three weeks before you work him and we believe you will have a cure.

Experiment in Sheep Raising. Sotol, a plant which grows wild in the Howard's draw country of Val Verde county, and resembles a cabbage head, is being used by



Bob Carruthers to fatten 6,000 muttons for the spring market. Sotol grows in abundance on the Carruthers ranch, and he says it

For Best Results Ship Your Cattle, Sheep and Hogs to

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Represented at All Markets.

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is the best food to be found for sheep. It is a new experiment. Wolves are not to be found in the section where sotol grows,

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WADE B. LEONARD, Dept. A, 418 North Texas Bldg., Dallas, Texas.

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and the Howard creek country is the only part of Texas where the ranchmen do not need wolf-proof fences.

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## CRESCENT DUST-NO-MORE

is made for the express purpose to gather dust, deodorize and aid in keeping all kinds of floors clean and neat.

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